



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0016

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

March 5, 2004
Subject: Winslow
Project No. BR-1011(800)X
PIN 10118.00
Bid Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to your bid package:

Remove "Special Provision Section 107 Prosecution and Progress (Sequence of Work)" dated January 27, 2004 one page, and replace with the attached "Special Provision Section 107 Prosecution and Progress (Sequence of Work)" dated March 1, 2004, one page total.

Remove "Special Provision Section 502 Structural Concrete (QC/QA Acceptance Methods)" dated January 12, 2004 and replace with the attached "Special Provision Section 502 Structural Concrete (QC/QA Acceptance Methods)" dated March 04, 2004, one page total.

Remove "Special Provision Section 502 Structural Concrete (Precast Deck Panels)", pages one through eight, dated January 2, 2003, eight pages total and replace with the attached "Special Provision Section 502 Structural Concrete (Precast Deck Panels)" dated March 4, 2004, one page total.

Remove "Special Provision Section 845 Structural Steel Utility Supports (Permanent Telephone Conduit Support Systems)" dated January 9, 2004, one page and replace with the attached "Special Provision Section 845 Structural Steel Utility Support (Verizon)" dated January 16, 2004, one page total.



PRINTED ON RECYCLED PAPER

Please make the following changes to the Plan Sheets:

On Plan Sheet No. 15 of 23 entitled "Superstructure" please add the following note to the Superstructure Notes:

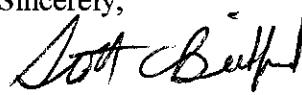
13. The sidewalk shall be constructed using top of curb elevations at the gutter and fascia every 3 meters, and the wearing surface shall be constructed using top of wearing surface elevations at centerline and gutter every 3 meters, while maintaining a 50 mm min. conc. wearing surface. Top of sidewalk and wearing surface elevations shall be computed from the centerline finish grade profile and provided to the Resident for review at least 10 days prior to concrete placements.

Make this change in pen and ink.

Remove Plan Sheets S1 through S5 entitled "Verizon Conduit Crossing Permanent Installations & Details" dated 1-16-04, five sheets total and replace with the attached Plan Sheets S1 through S5 entitled "Verizon Conduit Crossing Permanent Installations & Details" Revision date of 3/04/04 five sheets total.

Consider these changes prior to submitting your bid on March 10, 2004.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Bickford", written in a cursive style.

Scott Bickford

Contracts & Specifications Engineer

SPECIAL PROVISION
SECTION 107
PROSECUTION AND PROGRESS
(Sequence of Work)

The Contractor shall not begin work until June 1, 2004. The Contractor shall plan and conduct their work in such a manner that they may install maintenance of traffic control devices, signage, install temporary supports for utilities, or other construction preparation prior to the July 4th weekend. Saw cutting of the deck, removal of the bridge, nor approaches shall not begin prior to the July 4th weekend. The Contractor and all equipment shall be removed from the construction site by 6:00 p.m. on July 2, 2004. Traffic control devices may remain during the weekend. At 6:00 a.m. on July 5, 2004, the contractor may return to the site and commence all construction activities.

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.219	Structural Concrete Abut. & Ret.Walls	\$500	A
A	502.239	Structural Concrete Piers	\$500	A
A	526.26	Structural Concrete Roadway and Sidewalk Slab on Steel Bridges	\$500	A
LP	502.29	Structural Concrete Wearing Surface on Bridge	\$600	A
LP	502.49	Structural Concrete Curbs and Sidewalks	\$600	A
LP	526.34	Permanent Concrete Transition Barrier	\$600	A

P values listed above reflect the price per cubic meter (M³) for all pay adjustment purposes.

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(Precast Deck Panels)

Description. This work shall consist of casting, furnishing, and erecting prestressed structural concrete deck panels (hereafter called “precast deck panels”) and all related materials in accordance with the contract plans and specifications. All work shall be done in accordance with Standard Specification Section 535, “PRECAST, PRESTRESSED CONCRETE SUPERSTRUCTURE”

CONSTRUCTION REQUIREMENTS

Tolerances Precast deck panels shall be manufactured in conformity with the following tolerances:

Depth of slab	- 3 mm, + 6 mm [- 1/8 in, + 1/4 in]
Width of slab	-0, + 6 mm [-0, + 1/4 in]
Length of slab	± 6 mm [± 1/4 in]
Horizontal alignment	6 mm [1/4 in] (deviation from line parallel to centerline)
Squareness	13 mm [1/2 in] max. Difference in diagonal meas.
Vertical Position of Strand group	+0, - 6 mm [+0, - 1/4 in] Meas. from bottom of slab
Vertical position of individual strands	± 6 mm [± 1/4 in]
Horizontal strand position	± 13 mm [± 1/2 in]
Strand Projection	-6mm, +19 mm [- 1/4 in, + 3/4 in]
Bowing	± 6 mm [± 1/4 in]
Threaded jack inserts	± 6 mm [± 1/4 in] longitudinally and transversely

BASIS OF PAYMENT

All work will be considered incidental to and included in Pay Item 502.26 Structural Concrete Superstructure Slab. Payment shall include full compensation for all materials wholly or partly in the precast deck panels and related materials or work required for the panel erected as shown on the plans. Related materials and work will include, but not be limited to furnishing and installing temporary supports, including adhesive and grout bedding, reinforcing steel, welded wire fabric and cast-in-place concrete.

Winslow
PIN 10118.00
January 16, 2004

SPECIAL PROVISION
SECTION 845
Structural Steel Utility Support
(Verizon)

Description. This work consists of all labor, materials, and equipment necessary for the renovation of a two-span Verizon cable crossing as shown on the contract drawings.

The work includes:

1. Temporarily supporting the existing conduits while portions of the existing bridge is removed and replaced.
2. Reattaching the existing conduits to the new bridge.
3. Installing new conduits as shown on the plans.

Materials. All material shall be new and shall conform to the specifications, notes and details on the contract drawings.

Refer to note 13, sheet S1 for materials to be provided by Verizon.

Existing materials damaged during the renovations shall be replaced by the Contractor without additional compensation.

Method of Measurement. The Verizon structural steel utility support will be measured by lump sum, complete in accordance with the contract drawings.

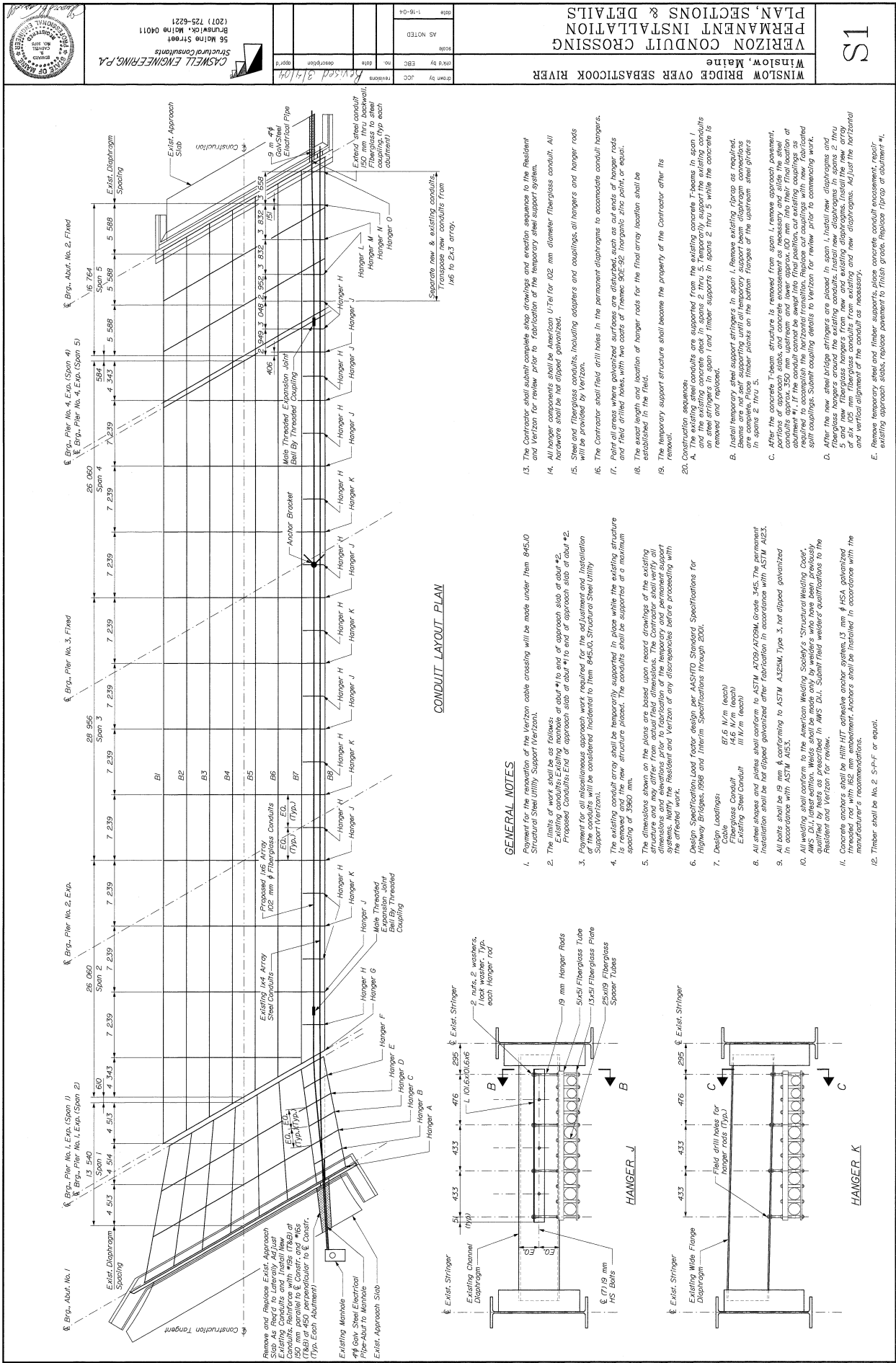
Basis of Payment. The accepted Verizon structural steel utility support will be paid for at the contract lump sum price.

Payment will be made under:

Pay Item

Pay Unit

845.10 Structural Steel Utility Support (Verizon) Lump Sum

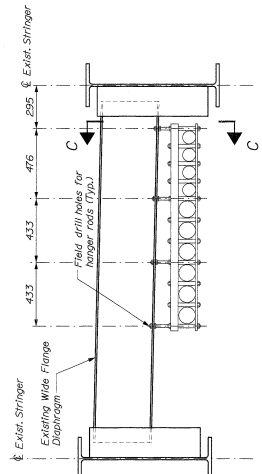
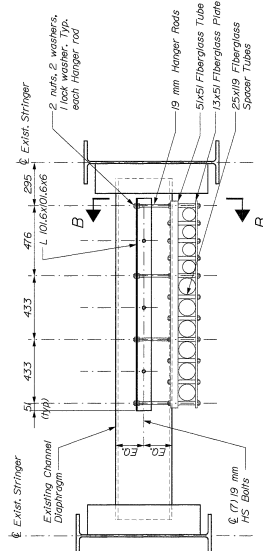


CONDUIT LAYOUT PLAN

GENERAL NOTES

1. Payment for the renovation of the Verizon cable crossing will be made under Item 845.10 Structural Steel Utility Support Verizon.
2. The limits of work shall be as follows:
a. Structural Steel Utility Support Verizon.
b. Proposed Conduits: End of approach slab at abut #1 to end of approach slab at abut #2.
c. Payment for all miscellaneous approach work required for the abutment and installation of the conduits will be considered incidental to Item 845.10 Structural Steel Utility Support Verizon.
3. The existing conduit array shall be temporarily supported in place while the existing structure is removed and the new structure placed. The conduits shall be supported at a maximum spacing of 3960 mm.
4. The dimensions shown on the plans are based upon record drawings of the existing structure and may differ from actual field dimensions. The Contractor shall verify all dimensions and field conditions before proceeding with the proposed work.
5. Design Specification: Load factor design per AASHTO Standard Specifications for Highway Bridges, 1998 and Interim Specifications through 2002.
6. Design Loadings:
a. Cable: 87.5 N/m (each)
b. Fiberglass Conduit: 10 N/m (each)
c. Existing Steel Conduit: 10 N/m (each)
d. All steel members and joints shall conform to ASTM A709/A709M, Grade 50. The permanent installation shall be hot-dipped galvanized steel fabrication in accordance with ASTM A123.
7. All bolts shall be 19 mm ϕ conforming to ASTM A325M, Type 3, hot dipped galvanized in accordance with ASTM A153.
8. All welding shall conform to the American Welding Society's "Structural Welding Code" and shall be performed by a welder qualified by tests as prescribed in AWS D1.1. Summit field welders qualifications to the Resident and Verizon for review.
9. Concrete anchors shall be Hilti HIT adhesive anchor system, 13 mm ϕ HSA, galvanized threaded rod with 162 mm embedment. Anchors shall be installed in accordance with the manufacturer's recommendations.
10. Timber shall be No. 2 S-P-F or equal.

13. The Contractor shall submit complete shop drawings and erection sequence to the Resident and Verizon for review prior to fabrication of the temporary steel support system.
14. All hanger components shall be American U-Tel For 102 mm diameter fiberglass conduit. All hardware shall be hot dipped galvanized.
15. Steel and fiberglass conduits, including adapters and couplings, all hangers and hanger rods will be provided by Verizon.
16. The Contractor shall field drill holes in the permanent diaphragms to accommodate conduit hangers.
17. Paint all areas where galvanized surfaces are disturbed, such as cut ends of hanger rods and field drilled holes, with two coats of Thene 90E-92 Inorganic Zinc paint, or equal.
18. The exact length and location of hanger rods for the final array location shall be established in the field.
19. The temporary support structure shall become the property of the Contractor after its removal.
20. Construction sequence:
a. The existing steel conduits are supported from the existing concrete T-beams in span 1 and the existing concrete deck in spans 2 thru 5. Temporarily support the existing conduits from the existing concrete T-beams and timber supports in spans 2 thru 5 while the concrete is removed and replaced.
b. Install temporary steel support structure in span 1. Remove existing floor deck, top steel, and existing steel support structure. Place temporary steel support beams diaphragm connections are complete. Place timber planks on the bottom flanges of the upstream steel girders in spans 2 thru 5.
c. After the concrete T-beam structure is removed from span 1, remove approach pavement, portions of approach slabs, and concrete encasement as necessary and install the new approach pavement. If the conduit cannot be swept into final position, cut existing couplings as required to accomplish the horizontal transition. Replace cut couplings with new fabricated split couplings. Submit coupling details to Verizon for review prior to commencing work.
d. After the new steel bridge structure is placed in span 1, install new diaphragm and hanger rods. Remove existing diaphragm and hanger rods. Install the new array of six 102 mm fiberglass conduits from new and existing diaphragms. Install the new array and vertical alignment of the conduit as necessary.
e. Remove temporary steel and timber supports, place concrete conduit encasement, repair existing approach slabs, replace pavement to finish grade, replace riprap at abutment #1.



WINSTLOW BRIDGE OVER SEBASTICOOK RIVER

WINSTLOW, MAINE

PERMANENT CONDUIT CROSSING

PLAN, SECTIONS & DETAILS

5009

1-16-04

AS NOTED

NO. 888

DESCRIPTION

REVISION

CASWELL ENGINEERING, P.A.

55 MILLING STREET, SUITE 200

BRUNSWICK, MAINE 04011

(207) 725-6221

SEBASTICOOK RIVER

WINSTLOW BRIDGE

PERMANENT CONDUIT CROSSING

PLAN, SECTIONS & DETAILS

WINSLLOW BRIDGE OVER SEBASTICOOK RIVER
WINLOW, MAINE
PERMANENT CONDUIT CROSSING
SECTIONS & DETAILS

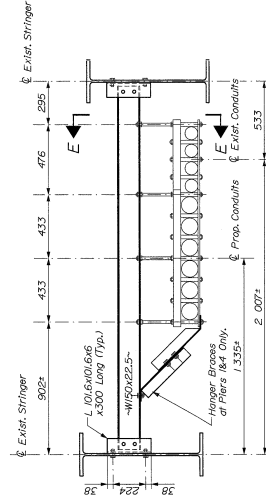
DATE	BY	DESCRIPTION
1-16-04	JCC	REVISION
AS NOTED	EBC	NO
NO	NO	NO
NO	NO	NO

CASWELL ENGINEERING, P.A.
56 Main Street
Brunswick, Maine 04011
(207) 725-8221

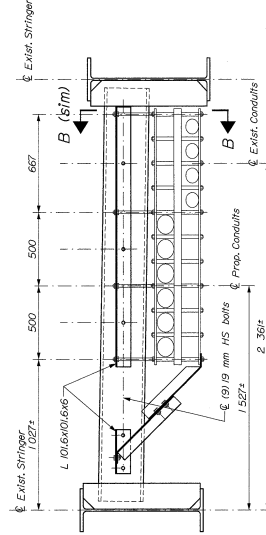


Note: Dimensions are shown parallel to diaphragms.

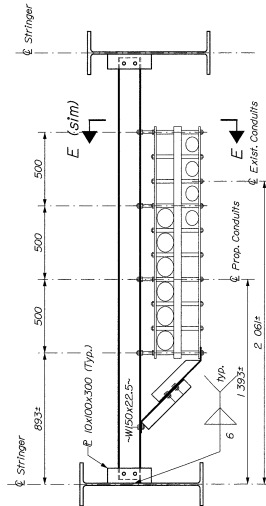
HANGER H



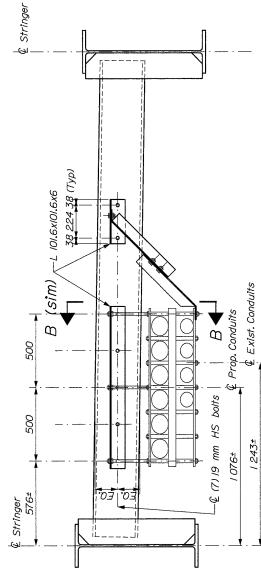
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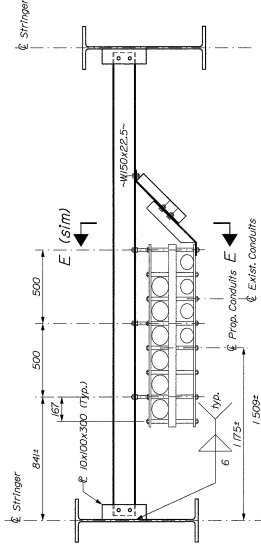
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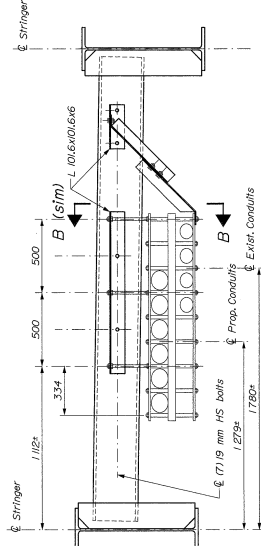
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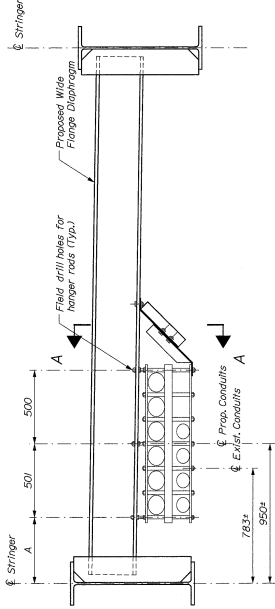
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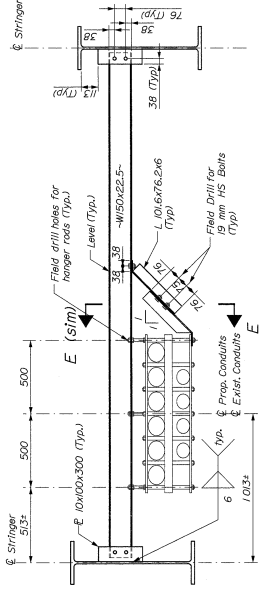
HANGER E



HANGER A
Refer to Bridge Plans
for Diaphragm Details



HANGER B

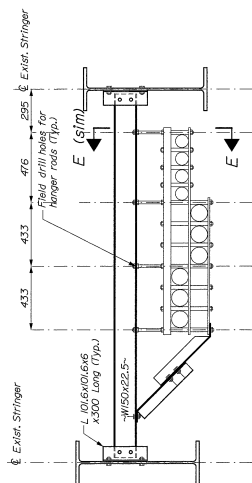
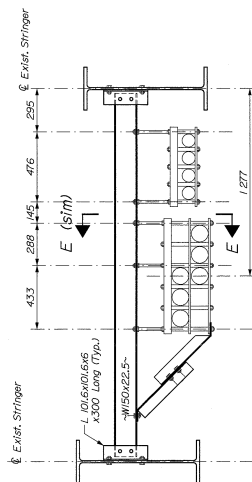
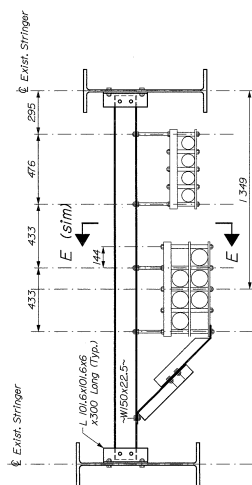


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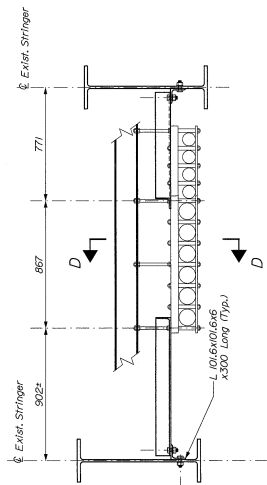
WINSTON BRIDGE OVER SEBASTICOOK RIVER
WINSTON, Maine
PERMANENT CONDUIT CROSSING
SECTIONS & DETAILS

Drawn by	JCC	Reviewed	
Check by	EBC	AS NOTED	
Scale	1"=6'-0"		
Notes			
Description			
Project			

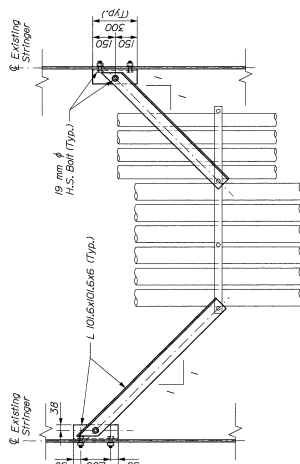
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Structural Consultants
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Brunswick, Maine 04011
(207) 725-6221



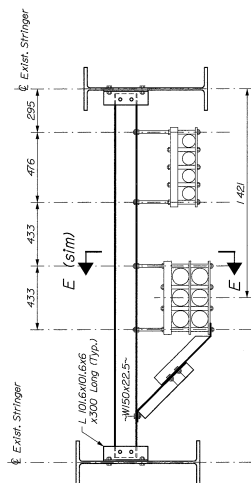
HANGER N



HANGER M

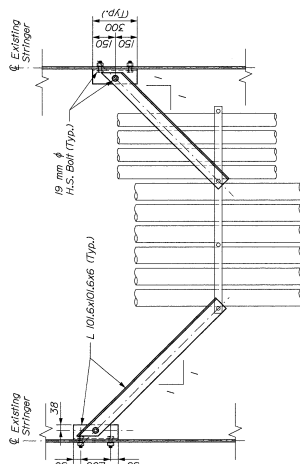


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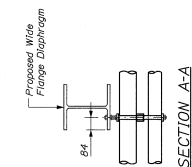


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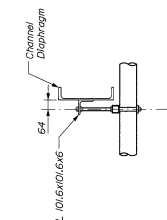
ANCHOR BRACKET PLAN
PIER NO. 3



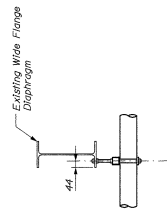
ANCHOR BRACKET SECTION
PIER NO. 3



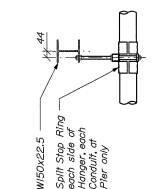
SECTION A-A



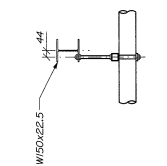
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

WINSTON BRIDGE OVER SEBASTICOOK RIVER
VERIZON CONDUIT CROSSING
PERMANENT INSTALLATION
SECTIONS & DETAILS

DATE	BY	DESCRIPTION
1-16-04	JCC	REVISION
AS NOTED	JCC	REVISION
5018	JCC	REVISION

CASWELL ENGINEERING, P.A.
55 Main Street
Brunswick, Maine 04011
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